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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/648,685	08/26/2003	Joshy Joseph	POU920030043US1	3776

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CANTOR COLBURN LLP-IBM POUGHKEEPSIE
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EXAMINER

SEYE, ABDOU K

ART UNIT	PAPER NUMBER
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2194

NOTIFICATION DATE	DELIVERY MODE
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02/06/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

usptopatentmail@cantorcolburn.com

Office Action Summary

Application No.

10/648,685

Applicant(s)

JOSEPH ET AL.

Examiner

Abdou Karim Seye

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period **will** apply and **will** expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply **will**, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 October 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 and 11-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 and 11-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

. DETAILED ACTION

1. Claims 1-5 and 11-20 are pending in this application.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21 (2) of such treaty in the English language.

3. Claims 1-5 and 11-20 , are rejected under 35 U.S.C. 102(e) as being anticipated by **Ringseth et al (U.S 20030014733)**.

4. As to claim 11, Ringset teaches the invention as claimed including method for synthesizing and processing dynamically associated meta-data associated with extensible markup language (XML) messages (abstract; FIG. 3A/B; FIG. 14 A-F paragraph 5, 10 and 33) in service-oriented computer architecture, the method comprising:

generating message meta-data within a header of a simple object access protocol (SOAP) message having a SOAP message body (FIG. 3A/B, FIG. 14A-F; paragraph 10; 31-33; paragraph 143), said meta-data describing at least a portion of the content of said SOAP message body so as to enable a receiver (430, FIG. 4B) to interpret and process the content of the SOAP message body using the meta-data and semantic type information included in the SOAP message header (FIG. 4B; FIG. 14A-F paragraph 86-87; paragraph 41-42)

receiving said SOAP message (1530, FIG. 15A; paragraph 147);

retrieving the semantic type information and said meta-data from the SOAP

header (paragraph 87; FIG. 15; paragraph 147); and

associating said semantic information and said meta-data during processing of the body of said SOAP message, wherein said semantic type information and said meta-data is used to interpret the content of the SOAP message body (abstract; paragraph 10; 32; FIG. 14A-F; paragraph 139-144; wherein to “compile” is to interpret the content of the SOAP).

5. As to claim 12, Ringseth teaches, processing said meta-data with at least one meta-data processor, said meta-data processing being implemented with at least one of a SOAP processor and an XML processor (paragraph 151); wherein said at least one meta-data processor and said at least one of a SOAP processor and an XML processor

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are configured to validate and map the extensible XML messages (abstract; paragraph 149).

6. As to claim 13, Ringseth teaches, wherein said meta-data processing is implemented with at least one of: a schema generator processor, said schema generator processor based on an XML schemaLocation attribute and namespace information associated with an extended XML message ; a resource description framework (RDF) processor for interpreting said semantic information (paragraph 54 and 140); and at least one native processor for managing type system and type mapping information (paragraph 48 and 149; wherein the claimed element “java” that is knowned in the art to include native of Ringset reference meets the claimed limitation of the claim).

7. As to claim 14, Ringseth teaches, wherein said generating message meta- data further comprises associating, through a sender, the meta-data at runtime using application programming (API) interfaces (FIG. 15A; FIG. 4B; wherein a client is knowned in the art to include an API).

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8. As to claim 16, Ringseth teaches, wherein said retrieving semantic information from the SOAP header further comprises implementing a server side SOAP handler to create one or more meta-data processors (FIG. 15A; FIG. 4E; paragraph 98).

9. As to claim 17, Ringseth teaches, wherein said retrieving semantic information from the SOAP header further comprises implementing a SOAP engine to create one or more meta-data processors, based upon the meta-data contained within the SOAP header (paragraph 33 and 83).

10. As to claim 18, Ringseth teaches, wherein said retrieving semantic information from the SOAP header further comprises implementing an associating XML processor (paragraph 90).

11. As to claim 19, Ringseth teaches, wherein said one or more meta-data processors created by said server side SOAP handler is configured to load an associated XML schema from a uniform resource identifier (URI) location specified in the SOAP header (FIG. 3B; paragraph 78).

12. As to claim 20, Ringseth teaches, wherein said associating XML processor generates warning messages upon encountering at least one of XML elements and XML attributes that are unspecified by the XML schema (paragraph 59).

13. As to claim 1; it is rejected for the same reasons as claim 11 above.

14. As to claim 2, Ringseth teaches, wherein said SOAP message header includes an extensible markup language (XML) schema for an XML <any> type message (paragraph 149; where the claimed element "XML" meets the claimed limitation of the claim).

14. As to claim 3, Ringseth teaches, wherein said SOAP message header further includes at least one object system type (1510, FIG. 15A).

15. As to claims 4-5; they are rejected for the same reasons as the claims above.

Claim Rejections - 35 USC § 103

16. The following is a quotation of 35 U.S.C. 103 (a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was

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made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

17. Claims 15 is rejected under 35 U.S.C. 103 (a) as unpatentable over Ringset et al. (US 20030014733) in view of Yeung et al. (US 20060155842).

18. As to claim 15, Ringset teaches does not explicitly teach a defined message extension policy for an XML message.

19. Yeung teaches a policy repository/message extension policy for SOAP/XML message (252, FIG. 2; paragraph 38).

20. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Ringset's invention with Yeung's to provide a message extension policy for an XML message , because it would increase Ringset's system security by providing personalized security policy for a user access to service . Therefore to improve the overall system security.

Conclusion

21. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abdou Karim Seye whose telephone number is 571-270-1062. The examiner can normally be reached on Monday - Friday 8:30 - 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, An Meng can be reached on (571)272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Li B. Zhen/
Primary Examiner, Art Unit 2194

/Abdou Karim Seye/
Examiner, Art Unit 2194